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PATENT APPLICATION

AUG 22 2005

ATTORNEY DOCKET NO. UBC.P-034

# 5.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Withers et al.

Serial No.: 10/527,495 ✓

Filing Date: 3/11/2005

Title: Engineered Enzymes and Their Use for Synthesis of Thioglycosides

RESPONSE TO NOTIFICATION TO COMPLY WITH SEQUENCE REQUIREMENTS

Applicants attach hereto the printed sequence listing for the above-referenced application, and request entry of the sequence listing in the appropriate location in the application. An electronic copy of the sequence listing was submitted today. The undersigned certifies that the content of the electronic copy and this paper copy are the same and that no new matter has been added.

Respectfully submitted,



Marina T. Larson, Ph.D  
Attorney/Agent for Applicant(s)

Reg. No. 32038

Date: August 22, 2005

Telephone No.: 970 468 6600

I hereby certify that this paper and any attachments named herein are transmitted to the United States Patent and Trademark Office, Fax number: 571-273-8300 on August 22, 2005



Marina T. Larson, PTO Reg. No. 32,038

August 22, 2005  
Date of Signature

## SEQUENCE LISTING

<110> Withers, Stephen  
Jahn, Michael

<120> Engineered Enzymes and Their Use for Synthesis of Thioglycosides

<130> UBC.P-034

<140> US 10/527,495  
<141> 2005-03-11

<150> PCT/CA2003/001398  
<151> 2003-09-12

<150> US 60/410,502  
<151> 2002-09-12

<160> 3

<170> PatentIn version 3.3

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<223> p29 reverse megaprimer

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AUG 22 2005



## UNITED STATES PATENT AND TRADEMARK OFFICE

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|                               |                       |                  |
|-------------------------------|-----------------------|------------------|
| U.S. APPLICATION NUMBER NO.   | FIRST NAMED APPLICANT | ATTY. DOCKET NO. |
| 10/527,495                    | Stephen G Withers     | UBC.P-034        |
| INTERNATIONAL APPLICATION NO. |                       |                  |
| PCT/CA03/01398                |                       |                  |
| LA. FILING DATE               | PRIORITY DATE         |                  |
| 09/12/2003                    | 09/12/2002            |                  |

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CONFIRMATION NO. 4792  
371 FORMALITIES LETTER  
\*OC000000016791263\*  
\*OC000000016791263\*

Date Mailed: 08/17/2005

### NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- This application clearly fails to comply with the requirements of 37 CFR. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing", an initial paper or compact disc copy of the "Sequence Listing", as well as an amendment specifically directing its entry into the application. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.
- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patentin Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

SHAKEEL AHMED

Telephone: (703) 308-9140 EXT 208

PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 10/527,495                  | PCT/CA03/01398                | UBC.P-034        |

FORM PCT/DO/EO/922 (371 Formalities Notice)